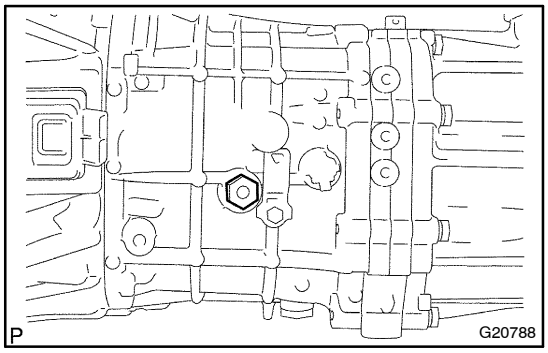
MANUAL TRANSMISSION ASSY (W56)

410BR–01

OVERHAUL

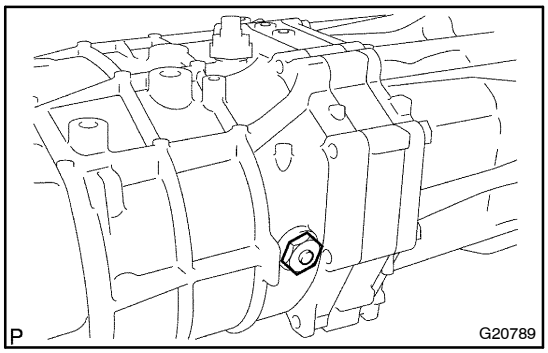
HINT:

COMPONENTS: See page 41–1



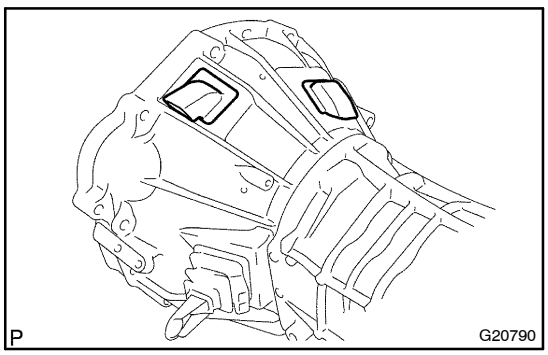
1. REMOVE MANUAL TRANSMISSION FILLER PLUG

(a) Remove the manual transmission filler plug and the manual transmission filler plug gasket from the manual transmission case.



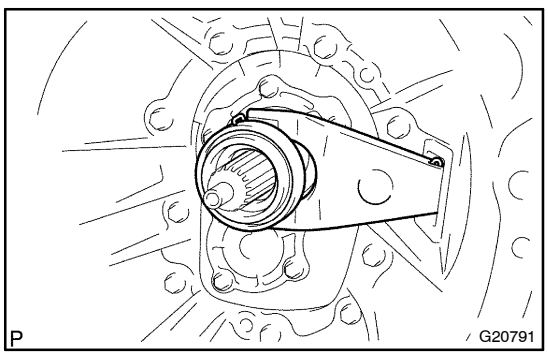
2. REMOVE DRAIN (MTM) PLUG SUB–ASSY

(a) Remove the drain plug and the drain plug gasket from the manual transmission case.



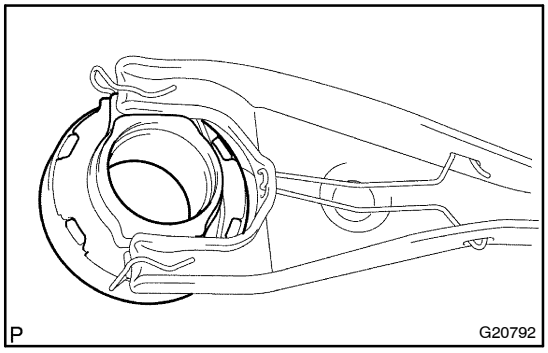
3. REMOVE CLUTCH HOUSING COVER NO.1

(a) Remove the 2 clutch housing cover No.1 from the clutch housing.



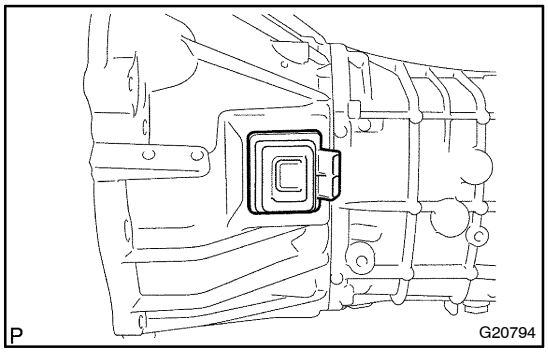
4. REMOVE CLUTCH RELEASE FORK SUB–ASSY

(a) Remove the clutch release fork sub–assy and the clutch release bearing assy from the manual transmission case.



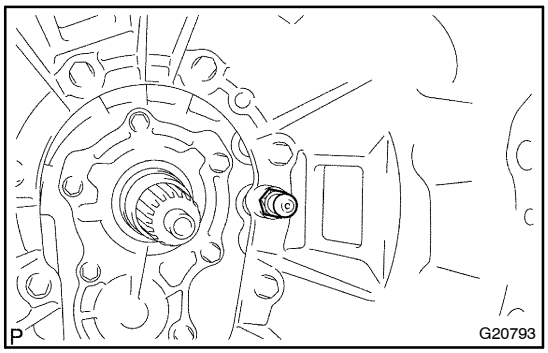
5. REMOVE CLUTCH RELEASE BEARING ASSY

(a) Remove the release bearing hub clip and the clutch release bearing assy from the clutch release fork sub–assy.



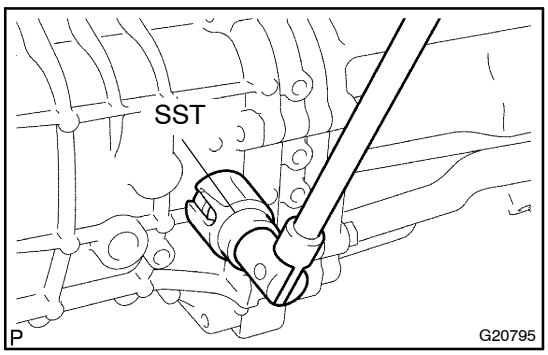
6. REMOVE CLUTCH RELEASE FORK BOOT

(a) Remove the clutch release fork boot from the manual transmission case.



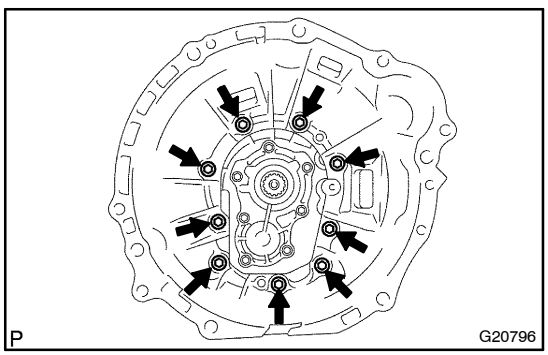
7. REMOVE RELEASE FORK SUPPORT

(a) Remove the clutch release fork support from the manual transmission case.



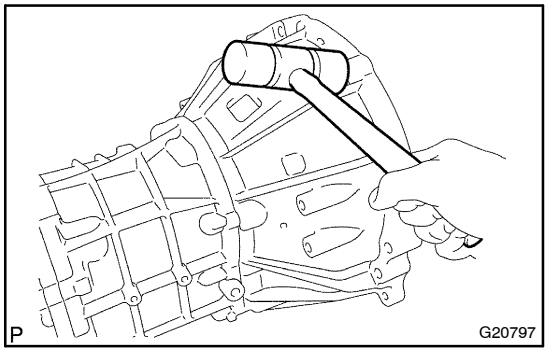
8. REMOVE BACK UP LAMP SWITCH ASSY

(a) Using SST, remove the back up lamp switch assy and the gasket from the manual transmission case.
SST 09817–16011

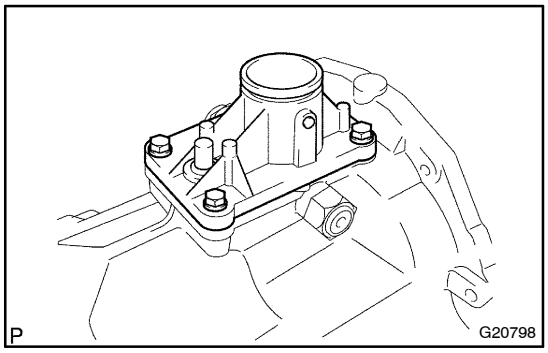


9. REMOVE CLUTCH HOUSING

(a) Remove the 9 bolts.

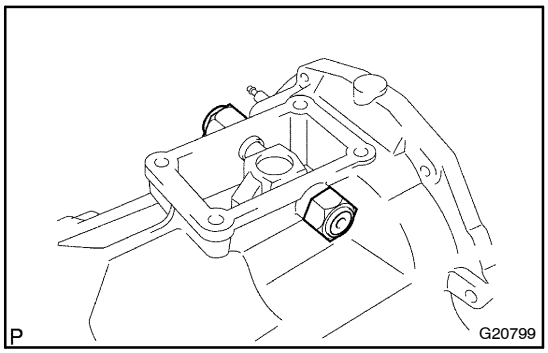


(b) Tap on the circumference of the clutch housing with a plastic hammer to remove the clutch housing from the transmission case.



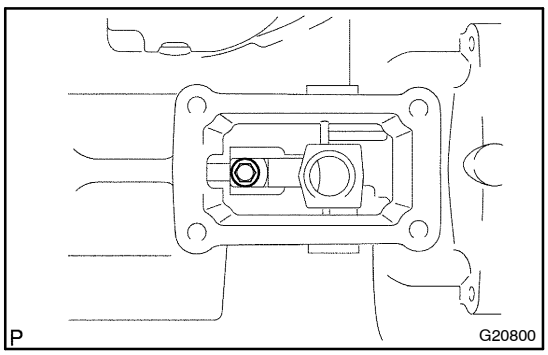
10. REMOVE FLOOR SHIFT CONTROL SHIFT LEVER RETAINER SUB–ASSY

(a) Remove the 4 bolts, the floor shift control shift lever retainer sub–assy and the extension housing oil deflector sub–assy from the transfer adapter.



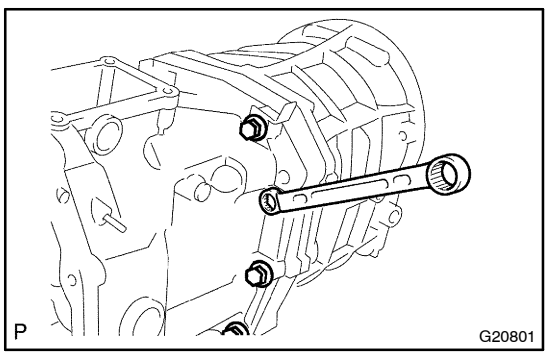
11. REMOVE REVERSE RESTRICT PIN ASSY

(a) Remove the 2 reverse restrict pin assys from the transfer adaptor.

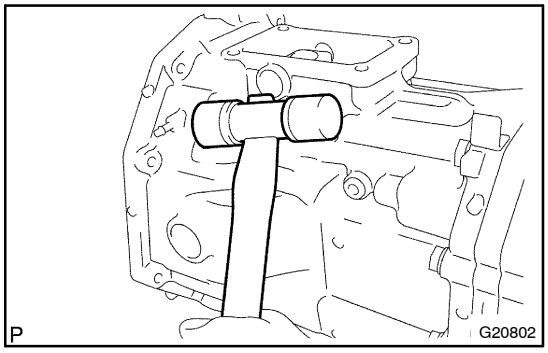


12. REMOVE TRANSFER ADAPTER

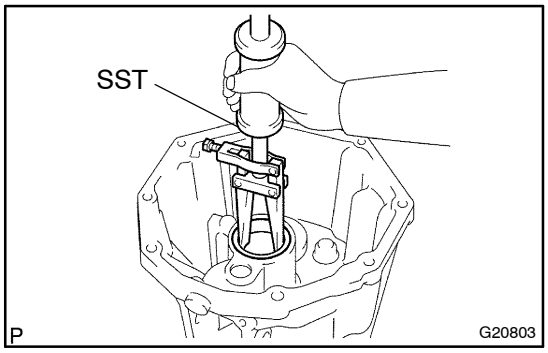
(a) Remove the bolt.



(b) Remove the 9 bolts from the transfer adaptor.

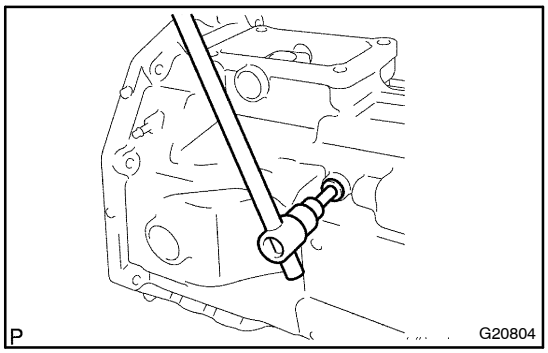


(c) Using a plastic hammer, remove the transfer adapter from the manual transmission case.



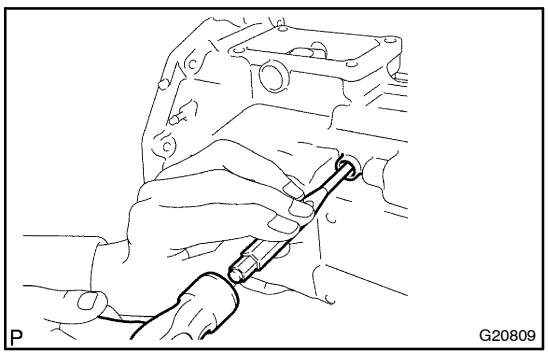
13. REMOVE TRANSFER ADAPTER OIL SEAL

(a) Using SST, remove the transfer adapter oil seal from the transfer adapter.
SST 09308–00010



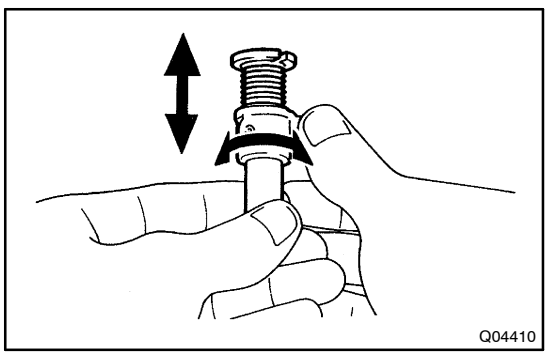
14. REMOVE REVERSE RESTRICT PIN ASSY

(a) Using a hexagon (6 mm) wrench, remove the reverse restrict pin plug.



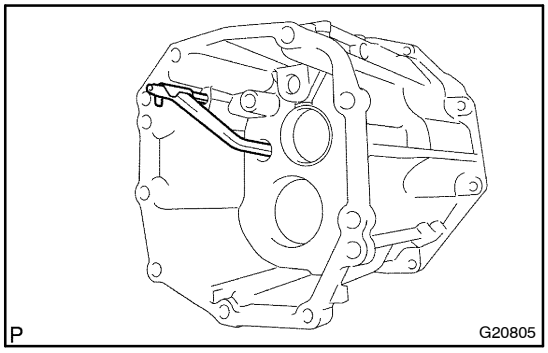
(b) Using a pin punch and hammer, drive out the shift fork set slotted spring pin.

(c) Pull the reverse restrict pin assy from the transfer adaptor.



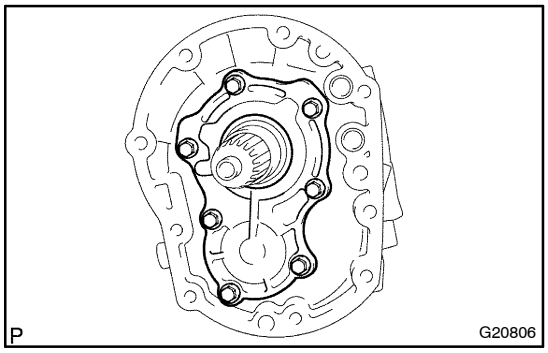
15. INSPECT REVERSE RESTRICT PIN ASSY

(a) Turn and push the reverse restrict pin by hand. Check it for smooth operation.



16. REMOVE TRANSFER OIL RECEIVER PIPE

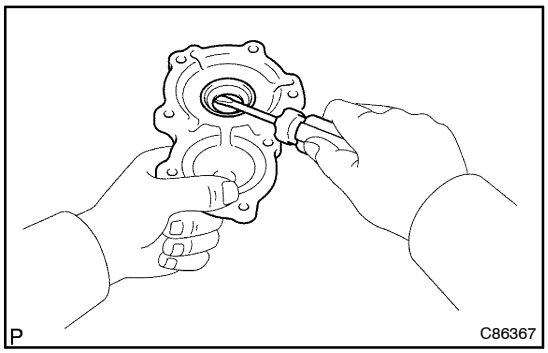
(a) Remove the transfer oil receiver pipe from the transfer adapter.



17. REMOVE BEARING RETAINER FRONT (MTM)

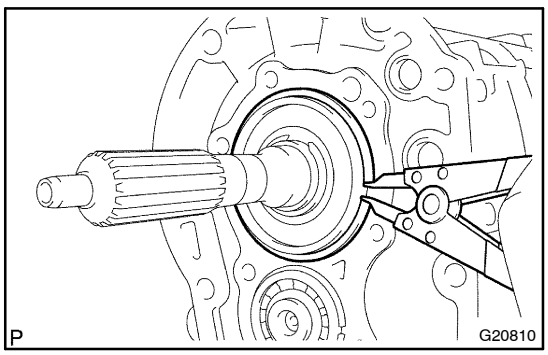
(a) Remove the 7 bolts.

(b) Remove the bearing retainer front from the manual transmission case.



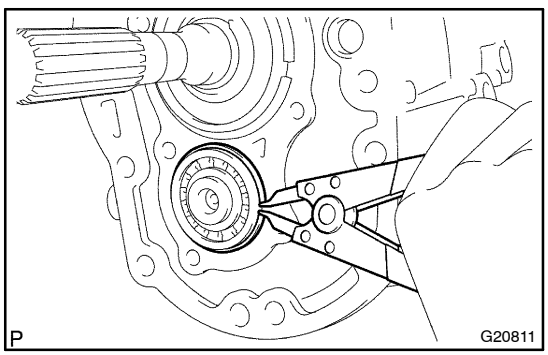
18. REMOVE TRANSMISSION FRONT BEARING RETAINER OIL SEAL

(a) Using a screwdriver, remove the transmission front bearing retainer oil seal from the bearing retainer front.



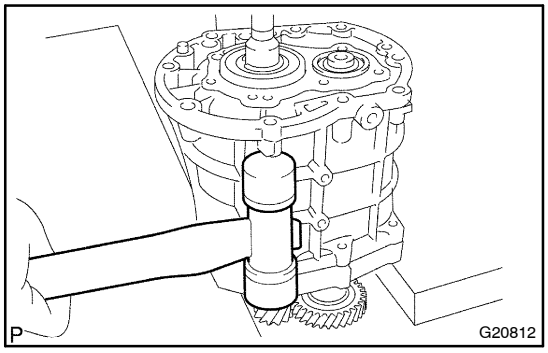
19. REMOVE FRONT BEARING SHAFT SNAP RING

(a) Using snap ring pliers, remove the front bearing shaft snap ring from the manual transmission case.



20. REMOVE COUNTER GEAR FRONT BEARING SNAP RING NO.1

(a) Using snap ring pliers, remove the counter gear front bearing snap ring No.1 from the manual transmission case.

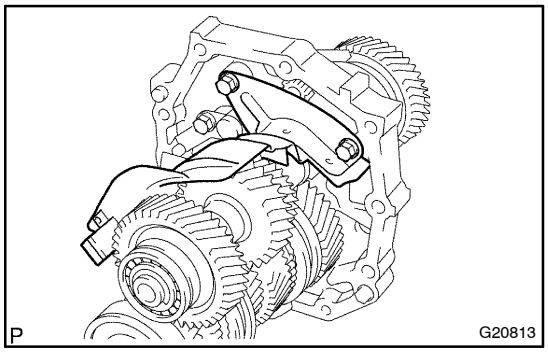


21. REMOVE MANUAL TRANSMISSION CASE

(a) Stand the manual transmission assy as shown.

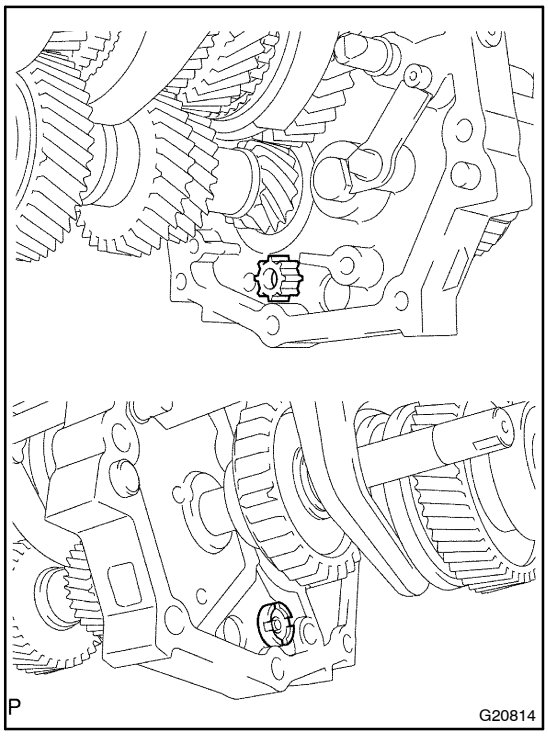
(b) Using a plastic hammer, carefully tap off the manual transmission case.

(c) Remove the manual transmission case from the intermediate plate as shown.



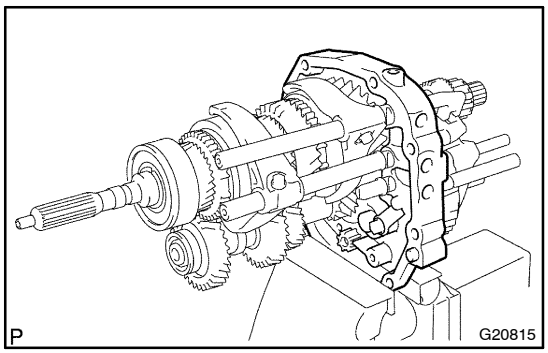
22. REMOVE TRANSMISSION OIL (MTM) SEPARATOR

(a) Remove the 2 bolts and transmission oil separator from the intermediate plate.



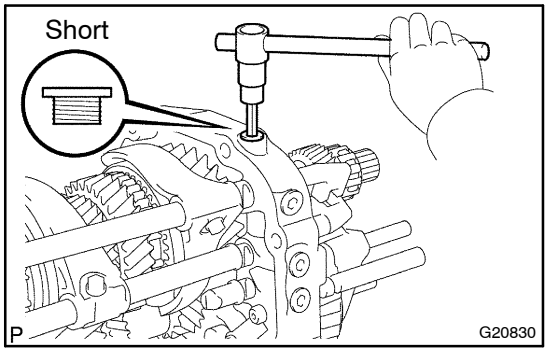
23. REMOVE TRANSMISSION MAGNET

(a) Remove the 2 transmission magnets from the intermediate plate.



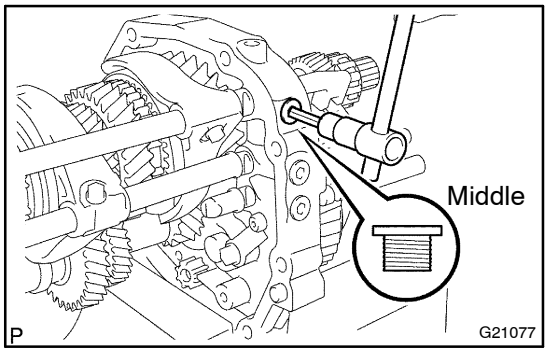
24. FIX INTERMEDIATE PLATE

(a) Hold the intermediate plate in a vise.

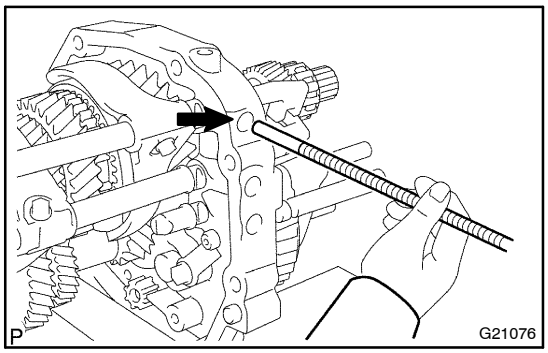


25. REMOVE SHAFT DETENT BALL

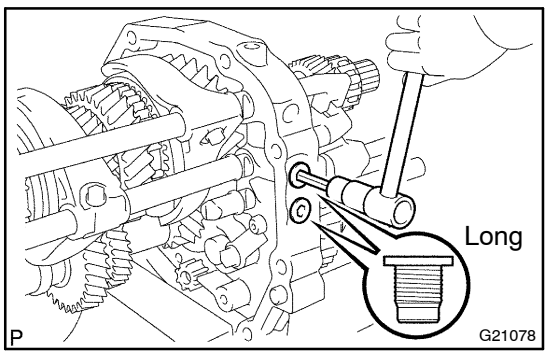
(a) Using a hexagon (6 mm) wrench, remove the inter lock hole plug from the intermediate plate.



(b) Using a hexagon (6 mm) wrench, remove the shift detent ball plug from the intermediate plate.

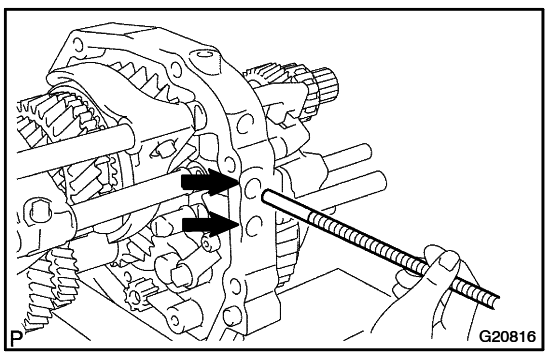


(c) Using a magnetic finger, remove the shift detent ball low side compression spring and the shaft detent ball from the intermediate plate.

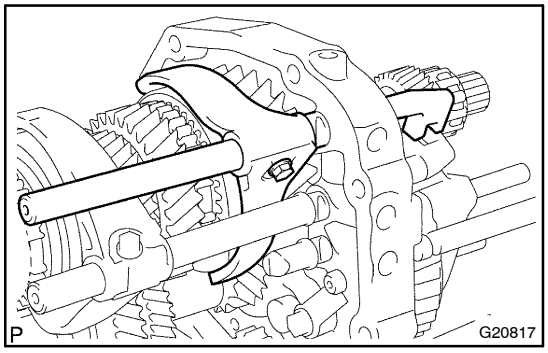


26. REMOVE SHIFT DETENT BALL NO.2

(a) Using a hexagon (6 mm) wrench, remove the 2 w/ head straight screw plug No.2 from the intermediate plate.



(b) Using a magnetic finger, remove the 2 shift detent ball compression springs and the shift detent ball No.2 from the intermediate plate.

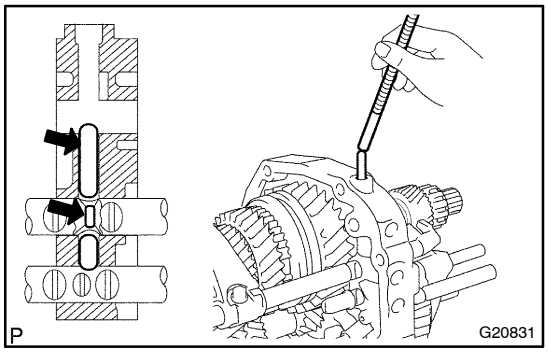


27. REMOVE GEAR SHIFT FORK NO.1

(a) Remove the set bolt of the gear shift fork No.1.

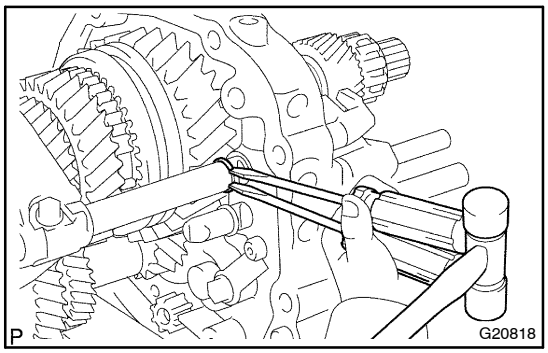
(b) Remove the gear shift fork shaft No.1 from the intermediate plate.

(c) Remove the gear shift fork No.1 from the transmission hub sleeve No.1.



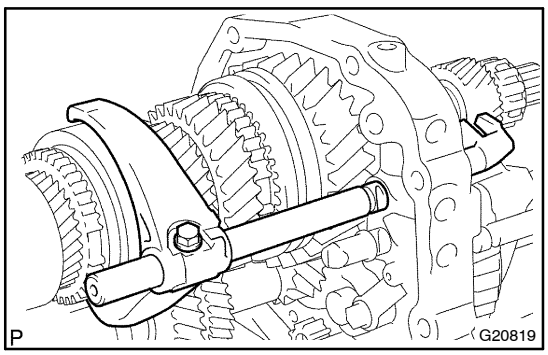
(d) Using a magnetic finger, remove the shift inter lock pin No.1 from the intermediate plate.

(e) Using a magnetic finger, remove the shift inter lock pin No.2 from the gear shift fork shaft No.2.



28. REMOVE GEAR SHIFT FORK NO.2

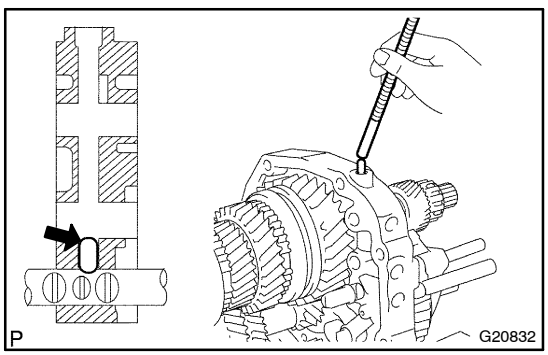
(a) Using 2 screwdrivers and a hammer, tap out the gear shift fork shaft No.2 snap ring.



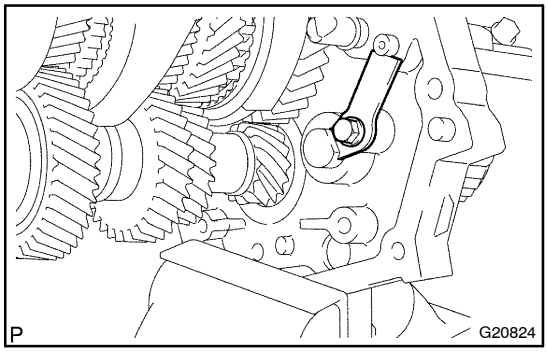
(b) Remove the set bolt of the gear shift fork No.2.

(c) Remove the gear shift fork shaft No.2 from the intermediate plate.

(d) Remove the gear shift fork No.2 from the transmission hub sleeve No.2.

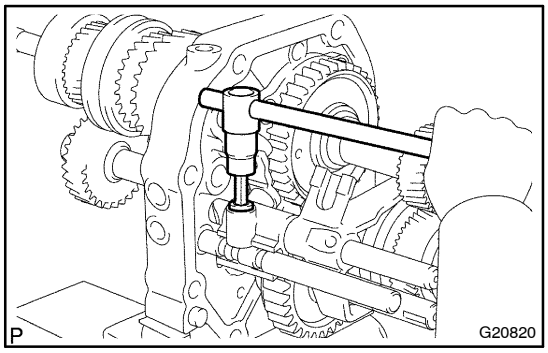


(e) Using a magnetic finger, remove the shift inter lock pin No.3 from the intermediate plate.



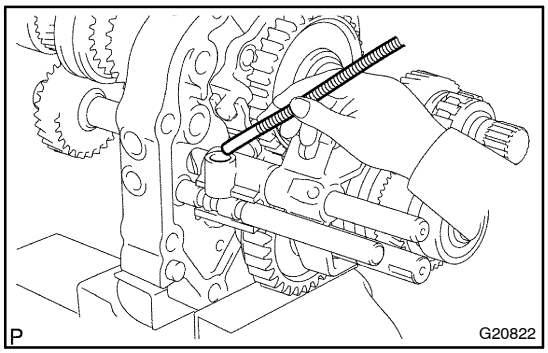
29. REMOVE REVERSE IDLER GEAR SHAFT STOPPER

(a) Remove the bolt and reverse idler gear shaft stopper from the intermediate plate.

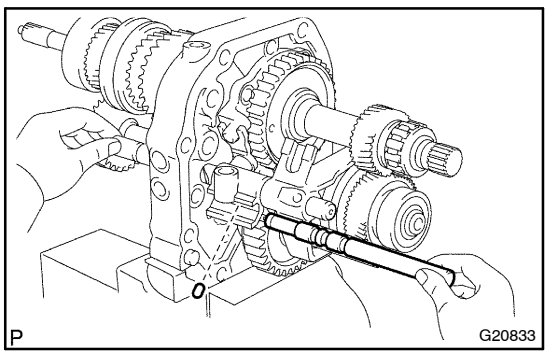


30. REMOVE GEAR SHIFT FORK SHAFT NO.4

(a) Using a hexagon (6 mm) wrench, remove the reverse shift head plug from the reverse shift head.

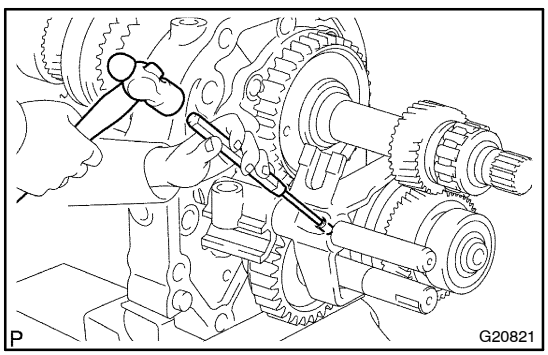


(b) Using a magnetic finger, remove the reverse shift restrict spring and the reverse shift restrict ball from the reverse shift head.



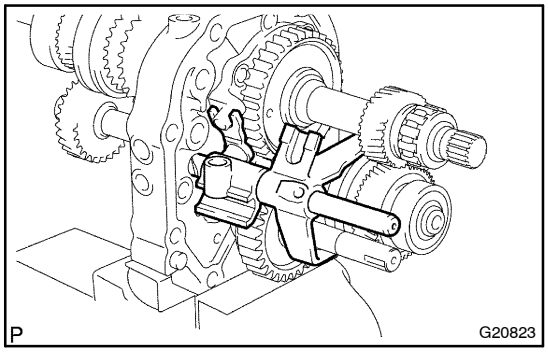
(c) Pull out the gear shift fork shaft No.4 from the intermediate plate.

(d) Remove the shift inter lock pin No.2 from the reverse shift head.

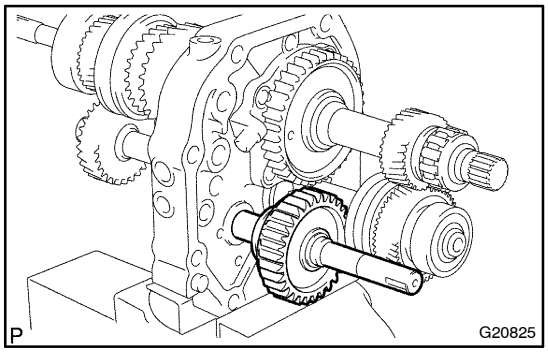


31. REMOVE GEAR SHIFT FORK NO.3

(a) Using a pin punch and a hammer, drive out the shift fork set slotted spring pin from the gear shift fork No.3.



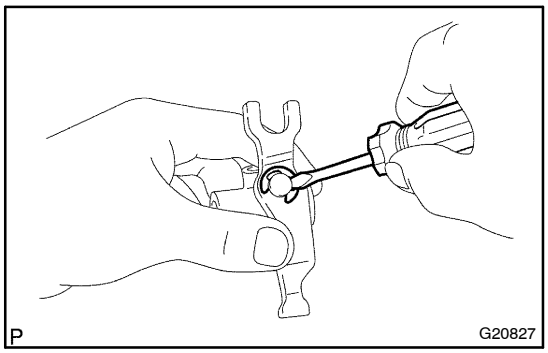
(b) Remove the gear shift fork No.3, the gear shift fork shaft No.3 and the reverse shift arm sub–assy from the intermediate plate.



32. REMOVE REVERSE IDLER GEAR SUB–ASSY

(a) Remove the reverse idler gear shaft and the reverse idler gear sub–assy from the intermediate plate.

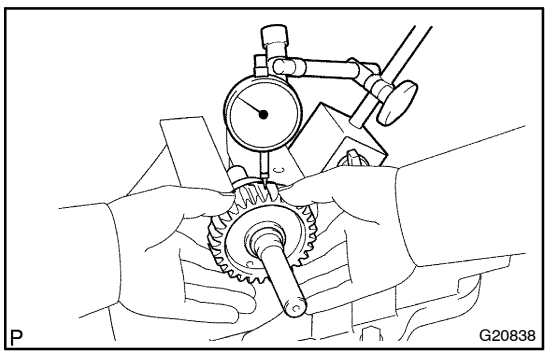
(b) Remove the reverse idler gear shaft E–ring from the reverse idler gear shaft.



33. REMOVE REVERSE SHIFT ARM

(a) Using a screwdriver, remove the reverse shift arm E–ring.

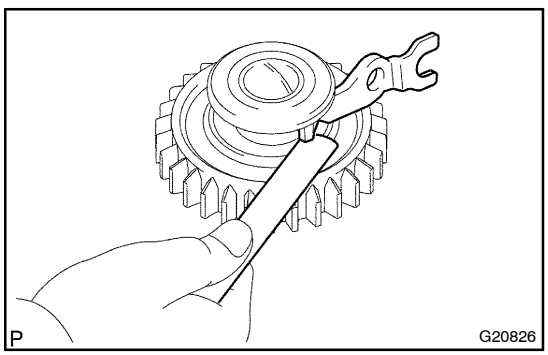
(b) Remove the reverse shift head from the reverse shift arm assy.



34. INSPECT REVERSE IDLER GEAR RADIAL CLEARANCE

(a) Using a dial indicator, inspect the reverse idler gear radial clearance.

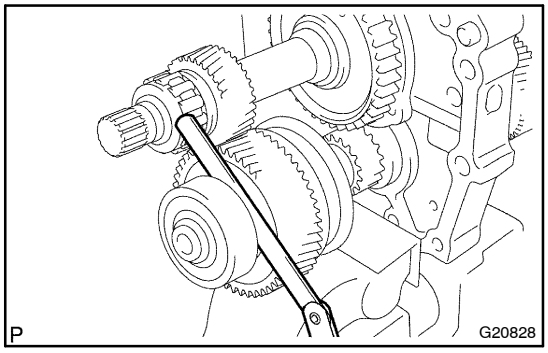
Standard clearance:
0.041 – 0.074 mm (0.0016 – 0.0029 in.)



35. INSPECT REVERSE IDLER GEAR SUB–ASSY

(a) Using a feeler gauge, inspect the clearance between the reverse idler gear and the reverse shift arm.

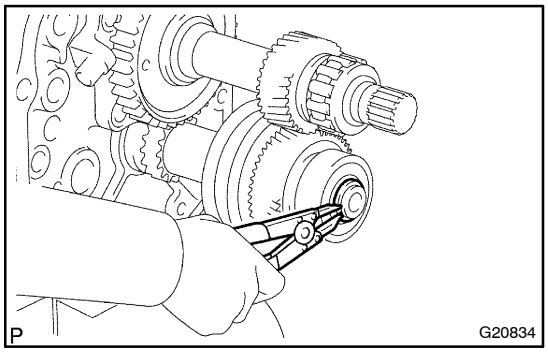
Standard clearance:
0.05 – 0.35 mm (0.0020 – 0.0138 in.)



36. INSPECT COUNTER SHAFT 5TH GEAR THRUST CLEARANCE

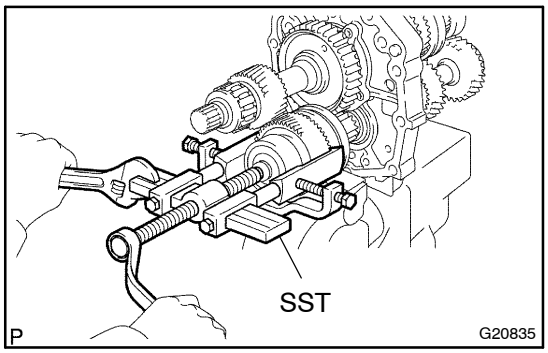
(a) Using a feeler gauge, inspect the countershaft 5th gear thrust clearance.

Standard clearance:
0.10 – 0.35 mm (0.0039 – 0.0138 in.)
Maximum clearance: 0.35 mm (0.0138 in.)



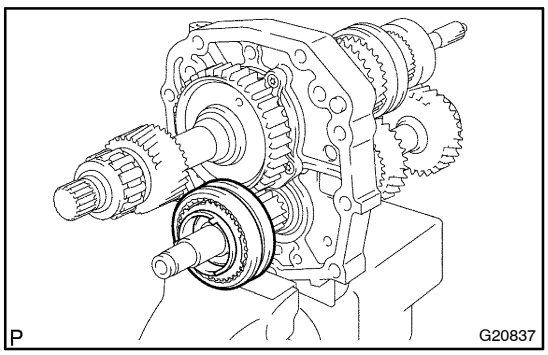
37. REMOVE COUNTERSHAFT 5TH GEAR

(a) Using snap ring pliers, remove the snap ring counter gear rear bearing from the counter gear.



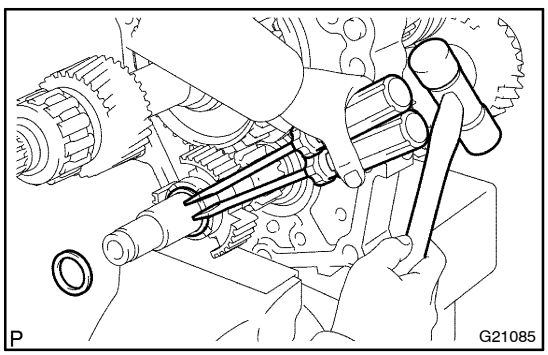
(b) Using SST, remove the counter gear rear bearing roller, counter gear spacer No.1, countershaft 5th gear and the 5th gear bush bearing from the counter gear.

SST 09950–40011 (09951–04020, 09952–04010, 09953–04030, 09954–04010, 09958–04010, 09955–04031)



38. REMOVE TRANSMISSION HUB SLEEVE NO.3

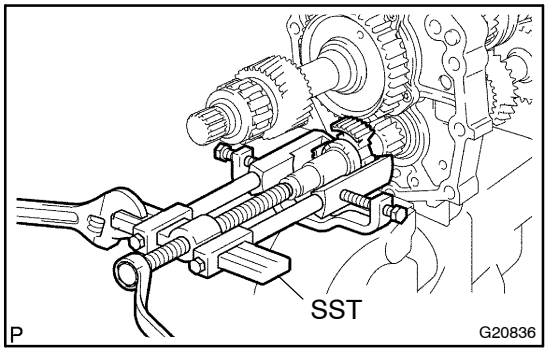
(a) Remove the synchronizer ring assy with the transmission hub sleeve No.3 from the clutch hub No.3.



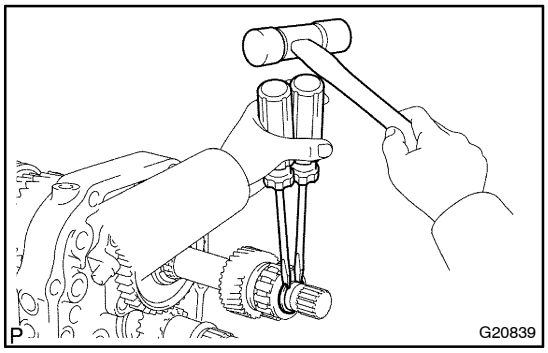
39. REMOVE TRANSMISSION CLUTCH HUB NO.3

(a) Remove the counter gear spacer No.2 from the counter gear.

(b) Using 2 screwdrivers and a hammer, tap out the transmission clutch hub No.3 shaft snap ring.

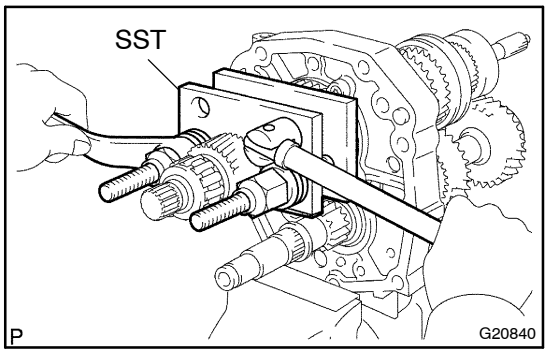


(c) Using SST, remove the transmission clutch hub No.3 from the counter gear.
SST 09950–40011 (09951–04020, 09952–04010, 09953–04030, 09954–04010, 09955–04031, 09958–04010)

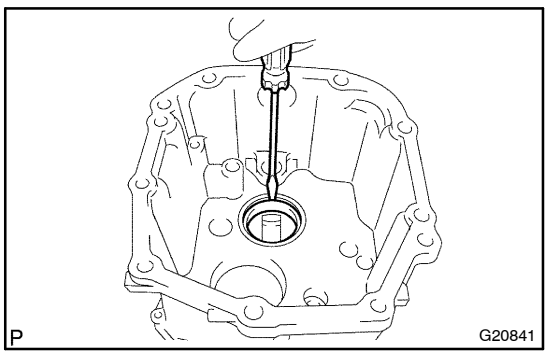


40. REMOVE 5TH GEAR

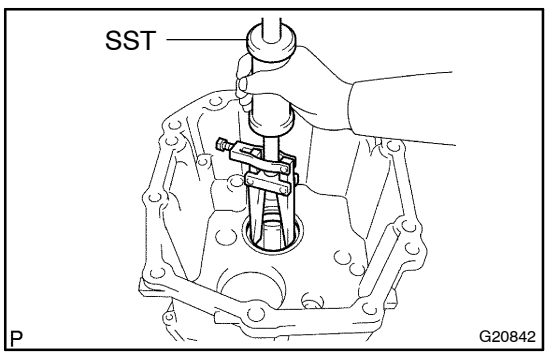
(a) Using 2 screwdrivers and a hammer, remove the output shaft bearing shaft snap ring from the output shaft.



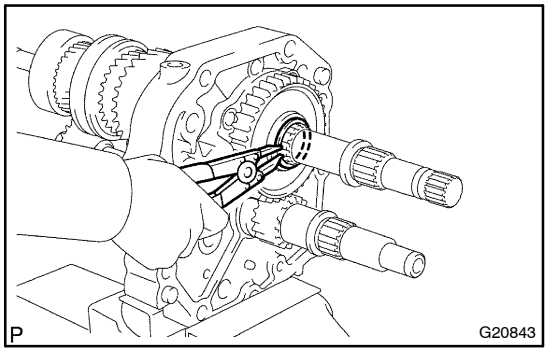
(b) Using SST, remove the output shaft rear bearing and the 5th gear from the output shaft.
SST 09312–20011 (09313–00030, 09313–00040, 09313–00050)



(c) Using a screwdriver, remove the snap ring from the transfer adapter.

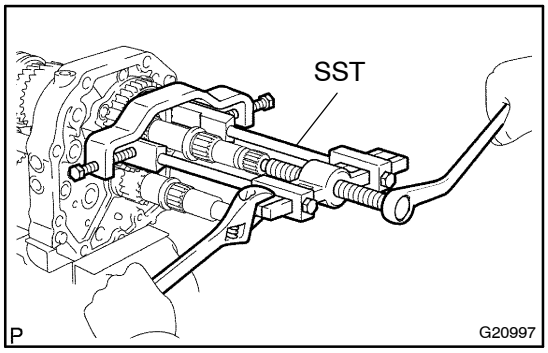


(d) Using SST, remove the output shaft rear bearing outer race from the transfer adapter.
SST 09308–00010



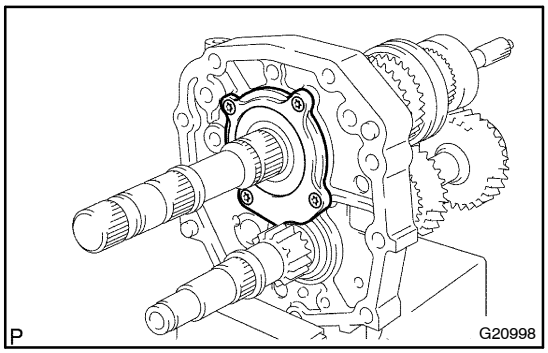
41. REMOVE REVERSE GEAR

(a) Using snap ring pliers, remove the output shaft center bearing shaft snap ring from the output shaft.



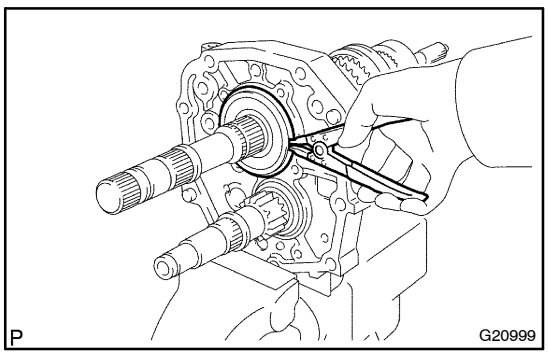
(b) Using SST, remove the reverse gear from the output shaft.

SST 09950–40011 (09951–04020, 09952–04010, 09953–04030, 09954–04030, 09955–04031, 09957–04010)



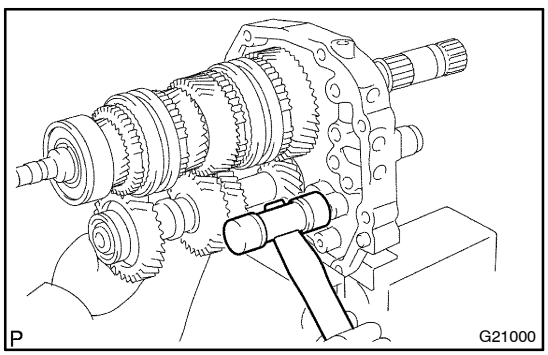
42. REMOVE OUTPUT SHAFT REAR BEARING (MTM) RETAINER

(a) Using a torx socket wrench T40, remove the 4 screws and the output shaft rear bearing retainer from the intermediate plate.



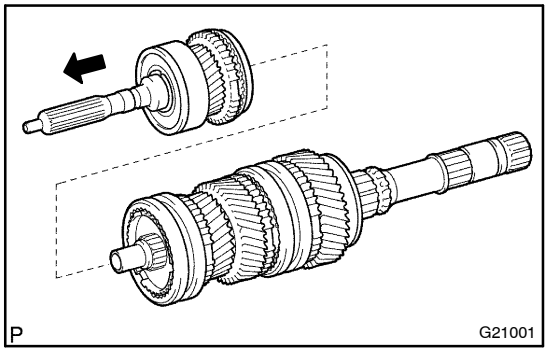
43. REMOVE OUTPUT SHAFT CENTER BEARING SNAP RING

(a) Using snap ring pliers, remove the output shaft center bearing snap ring from the output shaft center bearing.



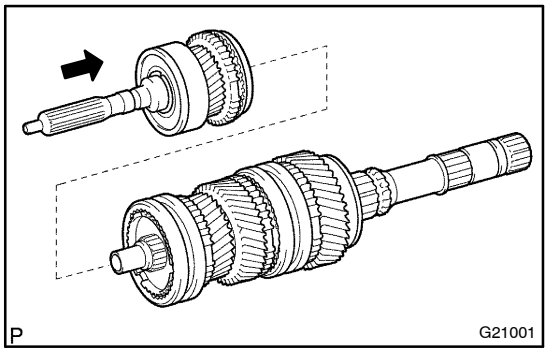
44. REMOVE OUTPUT SHAFT ASSY AND COUNTER GEAR ASSY

(a) Remove the output shaft, the input shaft and the counter gear as a unit from the intermediate plate by pulling on the counter gear and taping on the intermediate plate with a plastic hammer.



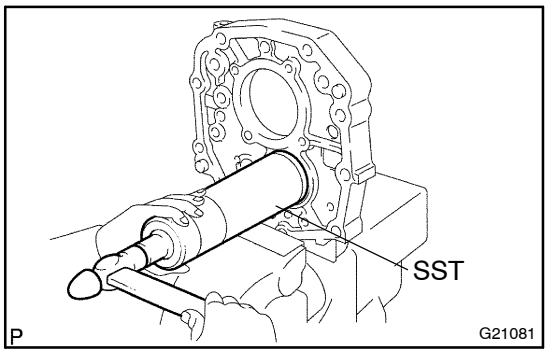
45. REMOVE INPUT SHAFT

(a) Remove the input shaft assy from the output shaft.



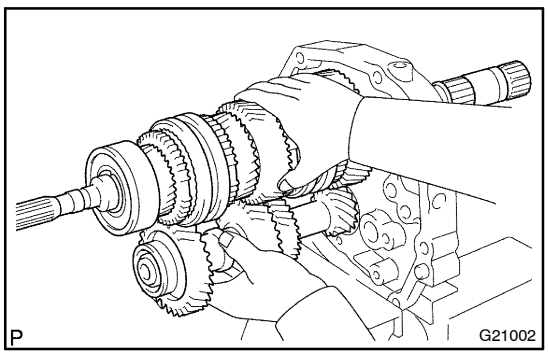
46. INSTALL INPUT SHAFT

(a) Coat the input shaft assy and synchronizer ring No.2 with gear oil, and then install them on the output shaft.

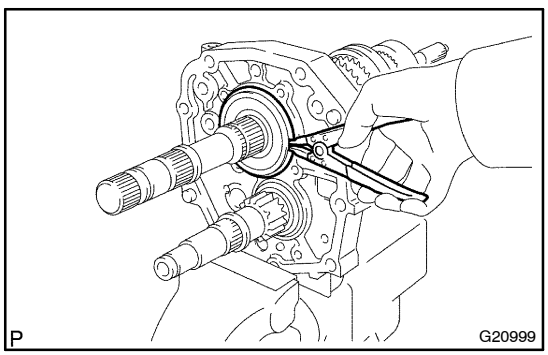


47. INSTALL OUTPUT SHAFT ASSY AND COUNTER GEAR ASSY

(a) Using SST and a hammer, install a new counter shaft center bearing outer race on the intermediate plate.
SST 09316–60011 (09316–00011)



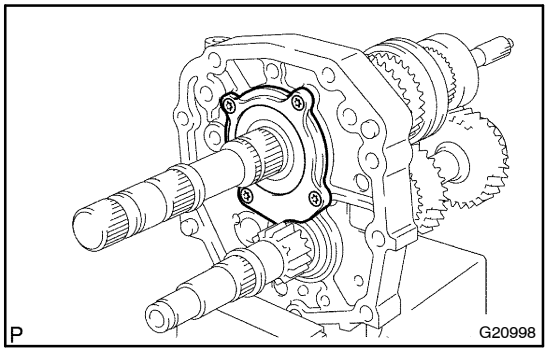
(b) Install the output shaft, the input shaft and the counter gear as a unit on the intermediate plate.



48. INSTALL OUTPUT SHAFT CENTER BEARING SNAP RING

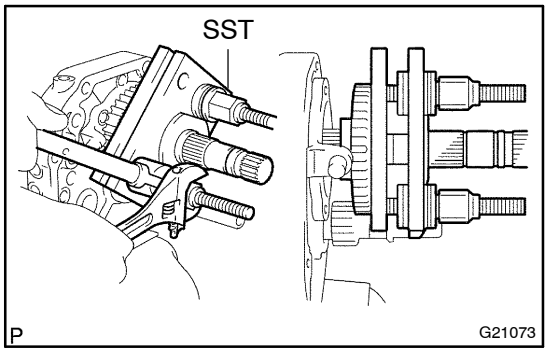
(a) Using snap ring pliers, install the output shaft center bearing snap ring on the output shaft center bearing RR.

HINT:
Be sure the output shaft center bearing snap ring is flush with the intermediate plate surface.



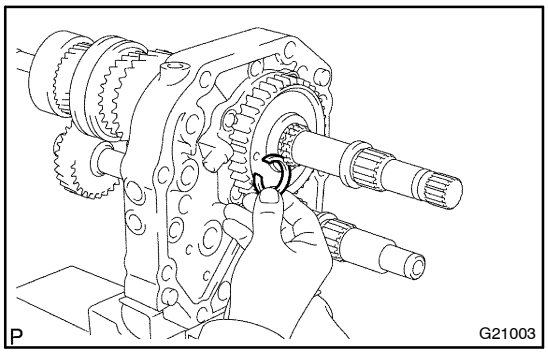
49. INSTALL OUTPUT SHAFT REAR BEARING (MTM) RETAINER

(a) Using a torx socket wrench T40, install the 4 screws and output shaft rear bearing retainer on the intermediate plate.
Torque: 19 N·m (189 kgf·cm, 14 ft·lbf)



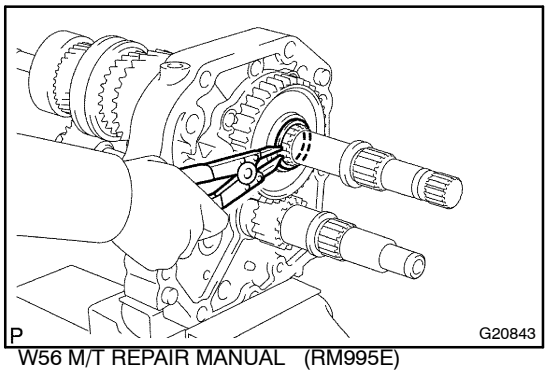
50. INSTALL REVERSE GEAR

(a) Using SST, install the reverse gear on the counter gear.
SST 09312–20011 (09313–00010, 09313–00040, 09313–00050)

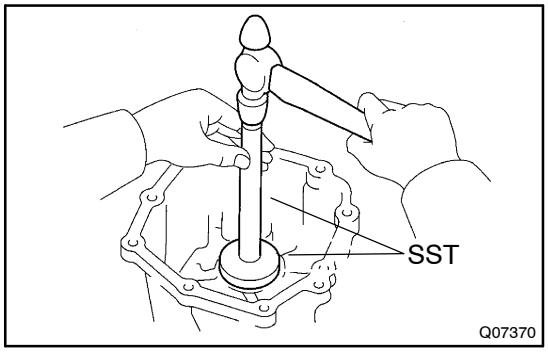


(b) Select an output shaft center bearing shaft snap ring that allows the minimum axial play.
Standard clearance:
0.1 mm (0.0039 in.) or less
Output shaft center bearing shaft snap ring thickness: mm (in.)

Mark	Thickness
5	2.25 – 2.30 (0.0886 – 0.0906)
11	2.30 – 2.35 (0.0906 – 0.0925)
12	2.35 – 2.40 (0.0925 – 0.0945)
13	2.40 – 2.45 (0.0945 – 0.0965)
14	2.45 – 2.50 (0.0965 – 0.0984)
15	2.50 – 2.55 (0.0984 – 0.1004)
16	2.55 – 2.60 (0.1004 – 0.1024)
17	2.61 – 2.66 (0.1028 – 0.1047)
18	2.67 – 2.72 (0.1051 – 0.1071)
19	2.73 – 2.78 (0.1075 – 0.1094)
20	2.79 – 2.84 (0.1098 – 0.1118)
21	2.85 – 2.90 (0.1122 – 0.1142)
22	2.91 – 2.96 (0.1146 – 0.1165)
23	2.97 – 3.02 (0.1169 – 0.1189)



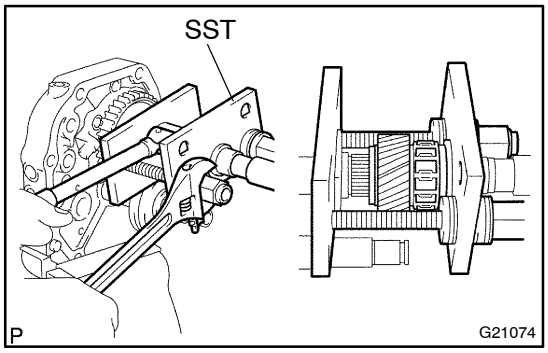
(c) Using snap ring pliers, install the output shaft center bearing shaft snap ring on the output shaft.



51. INSTALL 5TH GEAR

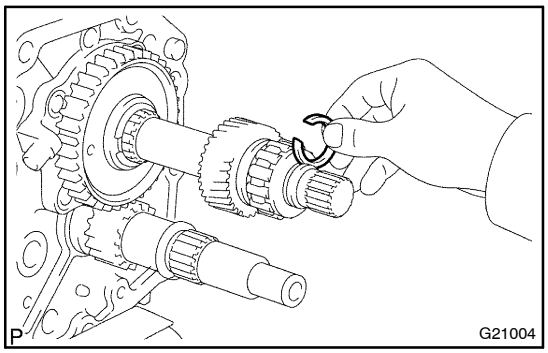
(a) Using SST and a hammer, install a new out put shaft rear bearing outer race and the snap ring on the transfer adapter.

SST 09950–60010 (09951–00570), 09950–70010 (09951–07150)



(b) Using SST, install the 5th gear and a new out put shaft rear bearing on the output shaft.

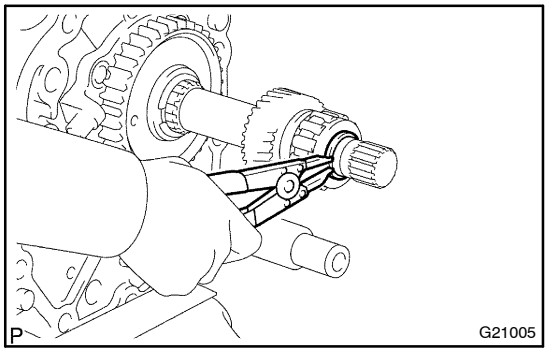
SST 09312–20011 (09313–00010, 09313–00030, 09313–00040, 09313–00050)



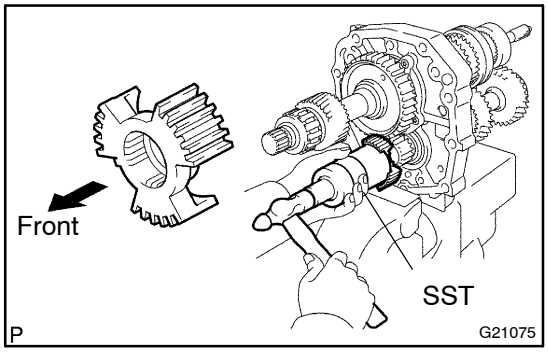
(c) Select a output shaft bearing shaft snap ring that allows the minimum axial play.

Standard clearance:
0.1 mm (0.0039 in.) or less
Output shaft bearing shaft snap ring thickness: mm (in.)

Mark	Thickness
8	2.31 – 2.36 (0.0909 – 0.0929)
9	2.37 – 2.42 (0.0933 – 0.0953)
10	2.43 – 2.48 (0.0957 – 0.0976)
11	2.49 – 2.54 (0.0980 – 0.1000)
12	2.55 – 2.60 (0.1004 – 0.1024)
13	2.61 – 2.66 (0.1028 – 0.1047)
14	2.68 – 2.73 (0.1055 – 0.1075)
15	2.74 – 2.79 (0.1079 – 0.1098)

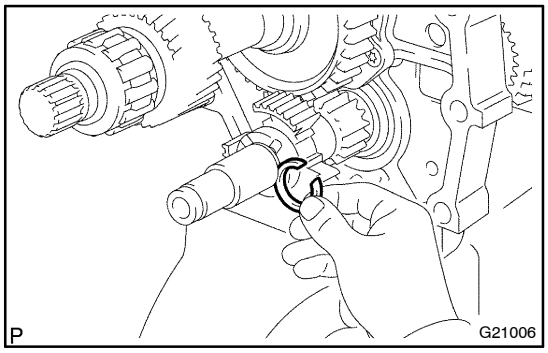


(d) Using snap ring pliers, install the output shaft bearing shaft snap ring on the output shaft.



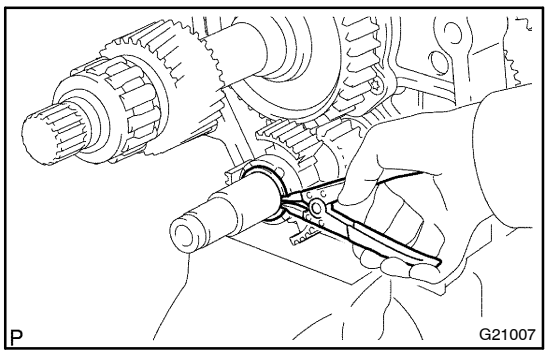
52. INSTALL TRANSMISSION CLUTCH HUB NO.3

(a) Using SST and a hammer, drive in the transmission clutch hub No.3 to the output shaft.
SST 09316–60011 (09316–00011, 09316–00071)

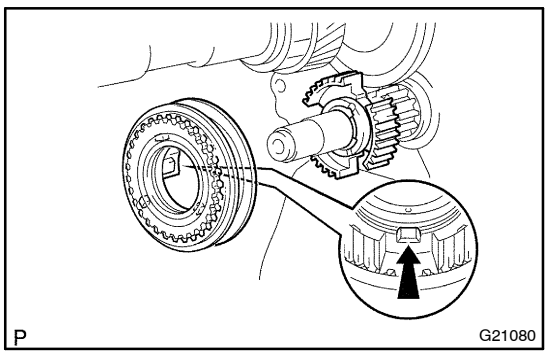


(b) Select a transmission clutch hub No.3 shaft snap ring that allows the minimum axial play.
Standard clearance:
0.1 mm (0.0039 in.) or less
Transmission clutch hub No.3 shaft snap ring thickness:
mm (in.)

Mark	Thickness
2	2.06 – 2.11 (0.0811 – 0.0831)
3	2.12 – 2.17 (0.0835 – 0.0854)
4	2.18 – 2.23 (0.0858 – 0.0878)
5	2.24 – 2.29 (0.0882 – 0.0902)

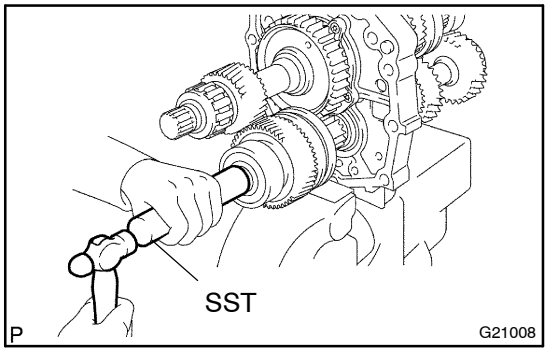


(c) Using snap ring pliers, install the transmission clutch hub No.3 shaft snap ring on the counter shaft.
(d) Install the counter gear spacer No.2 on the counter shaft.



53. INSTALL TRANSMISSION HUB SLEEVE NO.3

(a) Install the syncronizer ring assy with the hub sleeve No.3 on the clutch hub No.3.



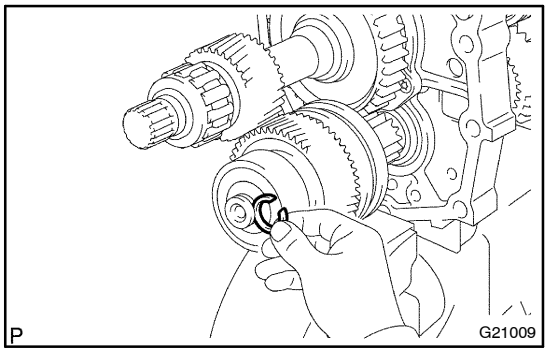
54. INSTALL COUNTERSHAFT 5TH GEAR

(a) Install the 5th gear bush bearing to the countershaft 5th gear.

(b) Install the countershaft 5th gear with the 5th gear gaps aligned with the syncronizer corn ring pin.

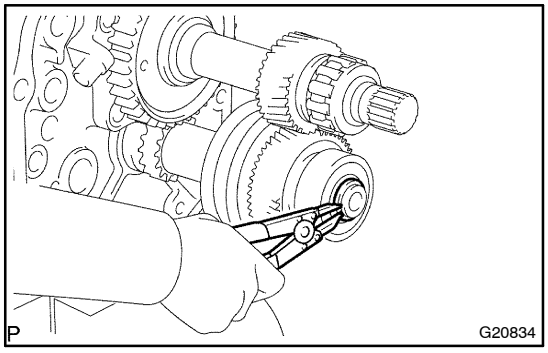
(c) Install the counter gear spacer No.1 on the counter shaft.

(d) Using SST and a hammer, drive the counter gear rear bearing roller to the counter shaft.
SST 09612–22011

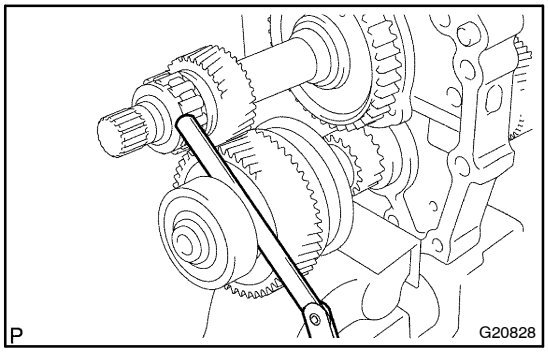


(e) Select a snap ring counter gear rear bearing that allows the minimum axial play.
Standard clearance:
0.1 mm (0.0039 in.) or less
Snap ring counter gear rear bearing thickness: mm (in.)

Mark	Thickness
1	1.90 – 1.95 (0.0748 – 0.0768)
2	1.96 – 2.01 (0.0772 – 0.0791)
3	2.02 – 2.07 (0.0795 – 0.0815)
4	2.08 – 2.13 (0.0819 – 0.0839)
5	2.14 – 2.19 (0.0843 – 0.0862)
6	2.20 – 2.25 (0.0866 – 0.0886)
7	2.26 – 2.31 (0.0890 – 0.0909)

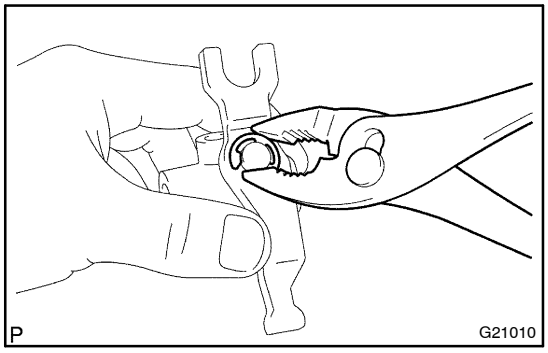


(f) Using snap ring pliers, install the snap ring counter gear rear bearing on the counter shaft.



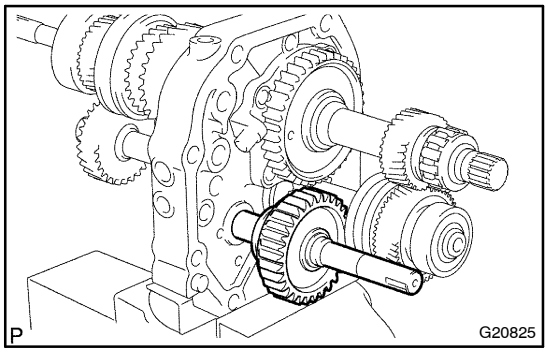
55. INSPECT COUNTER SHAFT 5TH GEAR THRUST CLEARANCE

(a) Using a feeler gauge, inspect the countershaft 5th gear thrust clearance.
Standard clearance:
0.10 – 0.35 mm (0.0039 – 0.0138 in.)
Maximum clearance: 0.35 mm (0.0138 in.)



56. INSTALL REVERSE SHIFT ARM

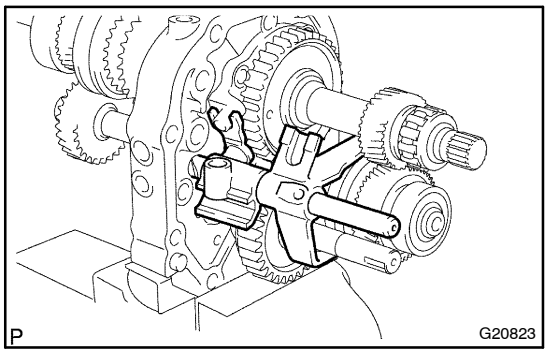
(a) Install the reverse shift arm E–ring and the reverse shift head on the reverse shift arm with pliers.



57. INSTALL REVERSE IDLER GEAR SUB–ASSY

(a) Install the reverse idler gear shaft and the reverse idler gear sub–assy to the intermediate plate.

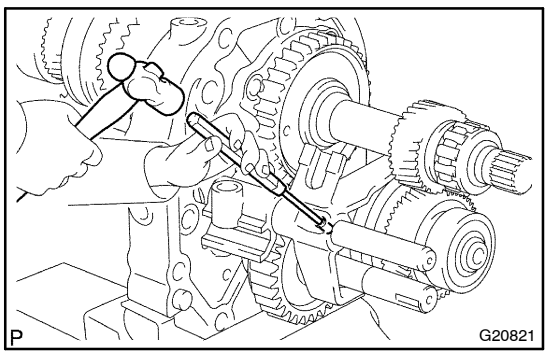
(b) Install the reverse idler gear shaft E–ring to the reverse idler gear shaft.



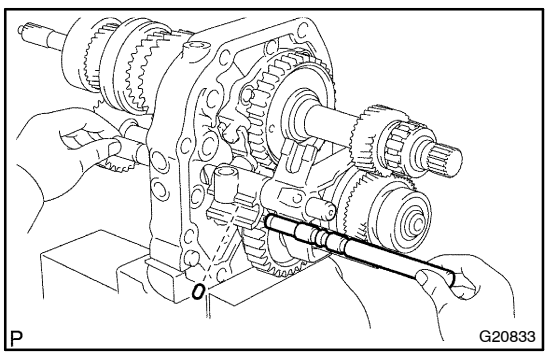
58. INSTALL GEAR SHIFT FORK NO.3

(a) Coat the gear shift fork No.3 with gear oil.

(b) Install the gear shift fork No.3, the gear shift fork shaft No.3 and the reverse shift arm sub–assy on the intermediate plate.



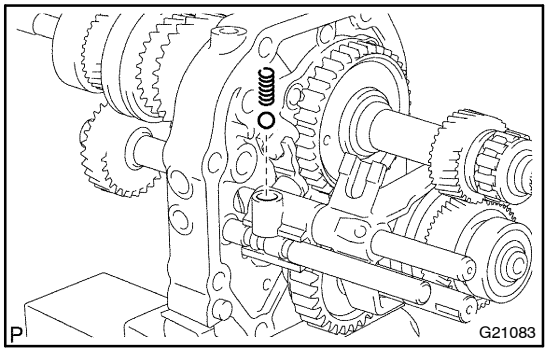
(c) Using a pin punch and a hammer, drive in the shift fork set slotted spring pin to the gear shift fork No.3.



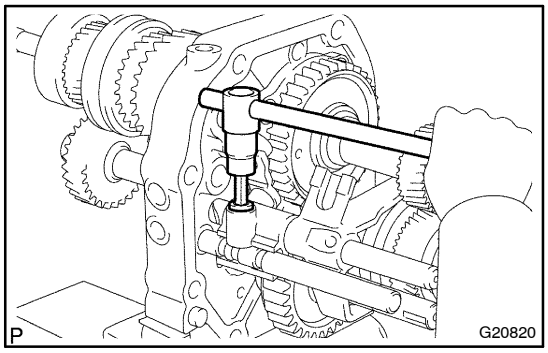
59. INSTALL GEAR SHIFT FORK SHAFT NO.4

(a) Coat the shift inter lock pin No.2 with MP grease install it on the reverse shift head.

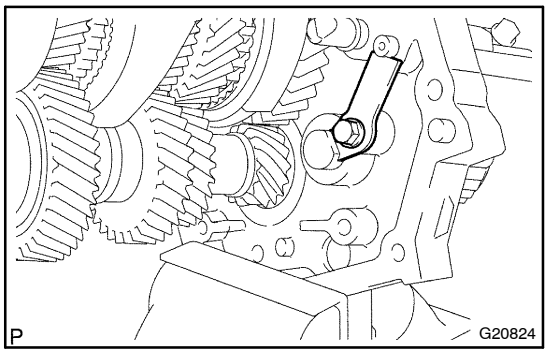
(b) Install the gear shift fork shaft No.4 through the intermediate plate.



(c) Install the reverse shift restrict ball and the reverse shift restrict spring on the reverse shift head.

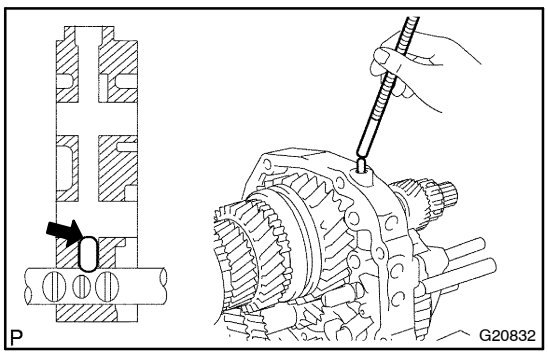


(d) Using a hexagon (6 mm) wrench, install the reverse shift head plug on the reverse shift head.
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)



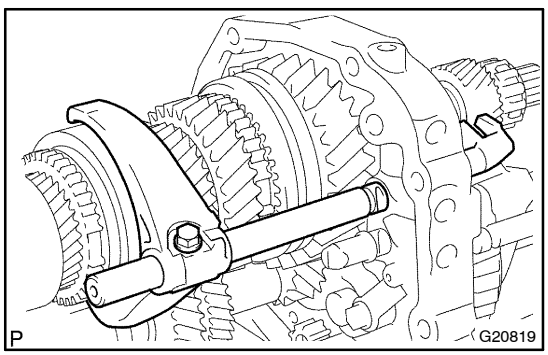
60. INSTALL REVERSE IDLER GEAR SHAFT STOPPER

(a) Install the bolt and reverse idler gear shaft stopper on the intermediate plate.
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)

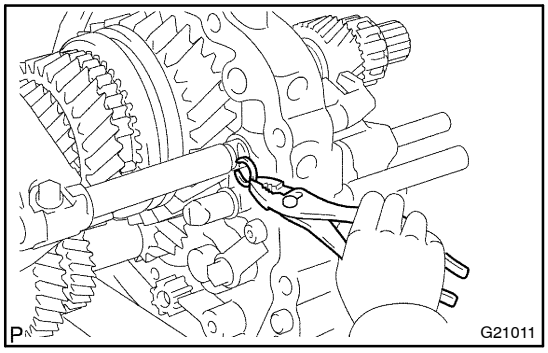


61. INSTALL GEAR SHIFT FORK NO.2

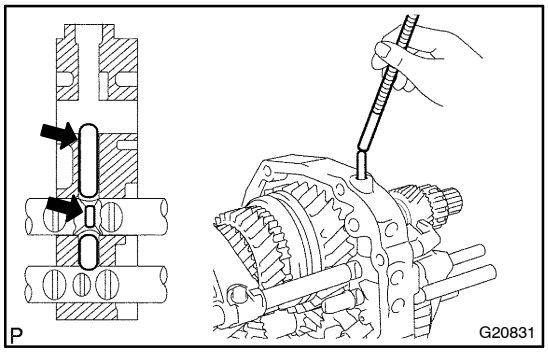
(a) Coat the shift inter lock pin No.3 with MP grease.
(b) Using a magnetic finger, install the shift inter lock pin No.3 on the intermediate plate.



(c) Coat the gear shift fork No.2 with gear oil, install it on the transmission hub sleeve No.2.
(d) Install the gear shift fork shaft No.2 through the gear shift fork No.2 and intermediate plate.
(e) Install a new shift fork bolt on the gear shift fork No.2.
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)



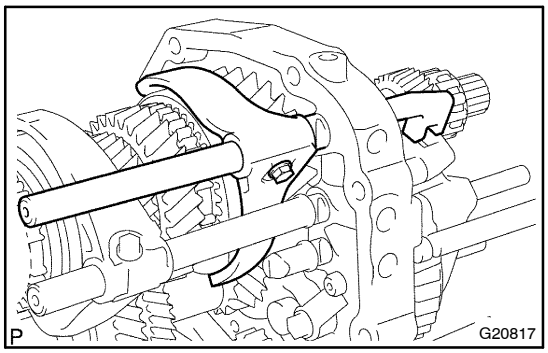
(f) Using a pliers, install the shift fork shaft snap ring on the gear shift fork shaft No.2



62. INSTALL GEAR SHIFT FORK NO.1

(a) Coat the shift inter lock pin No.2 with MP grease, using magnetic finger, install it into the gear shift fork shaft No.2.

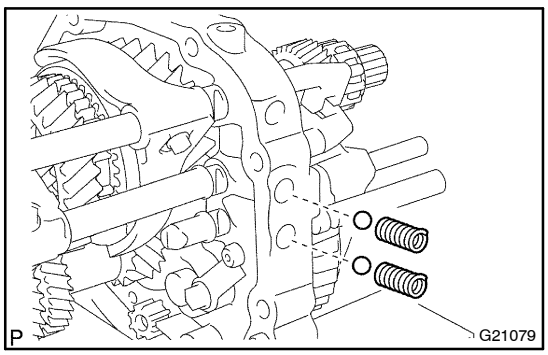
(b) Coat the shift inter lock pin No.1 with MP gease, using magnetic finger, install it on the intermediate plate.



(c) Coat the gear shift fork No.1 with gear oil, install it on the transmission hub sleeve No.1.

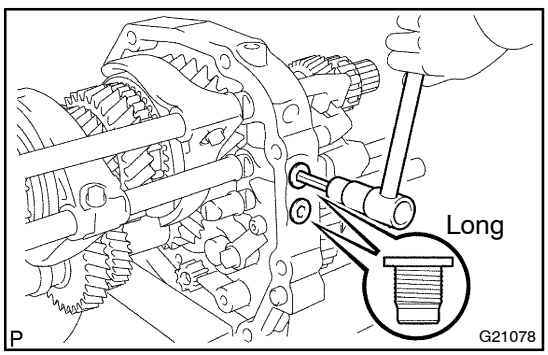
(d) Install the gear shift fork shaft No.1 through the gear shift fork No.1 on the intermediate plate.

(e) Install a new shift fork bolt on the gear shift fork No.1.
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)



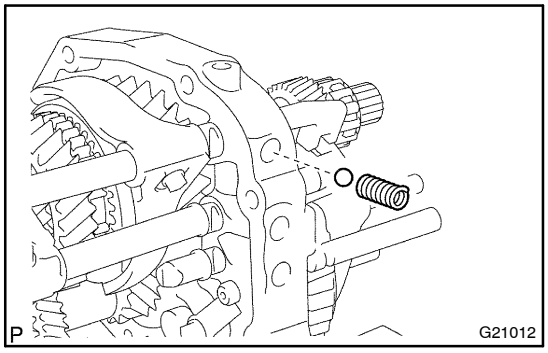
63. INSTALL SHIFT DETENT BALL NO.2

(a) Coat the 2 shift detent ball No.2 with MP grease, install them and the 2 shift detent ball compression springs on the intermediate plate.



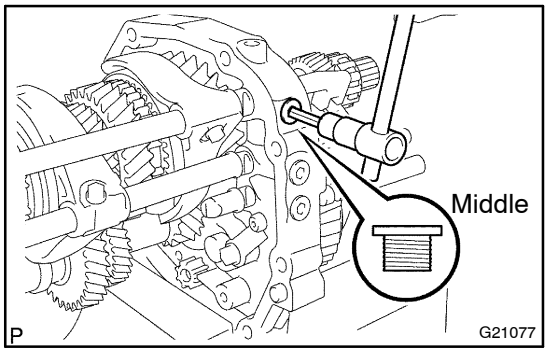
(b) Coat the 2 w/ head straight screw plug No.2 with sealant.
Sealant:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

(c) Using a hexagon (6 mm) wrench, install the 2 w/ head straight screw plug No.2 on the intermediate plate.
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)



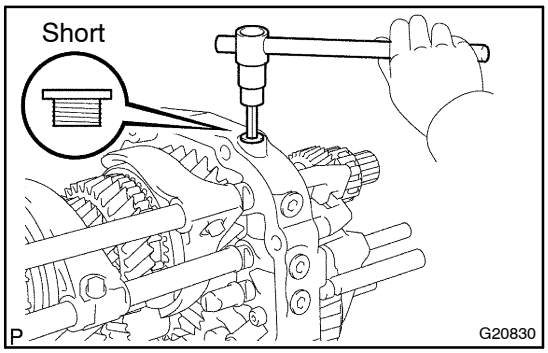
64. INSTALL SHAFT DETENT BALL

(a) Coat the shaft detent ball with MP grease, install them and the shift detent ball low side compression spring on the intermediate plate.



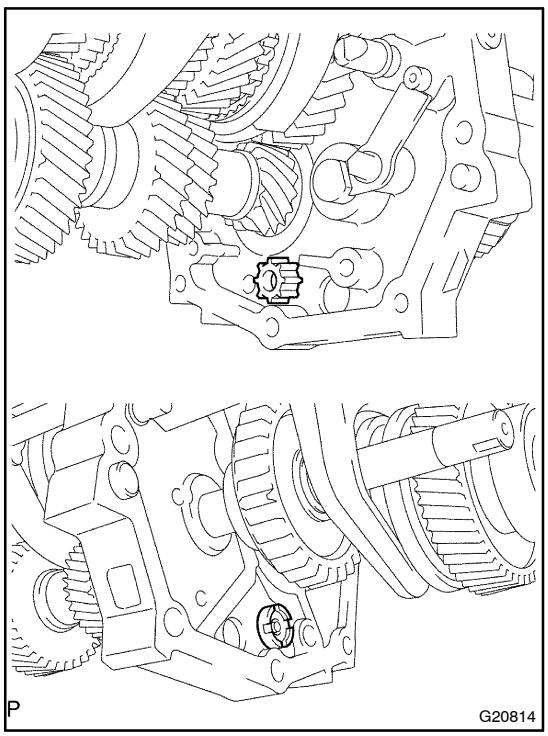
(b) Coat the shift detent ball plug with sealant.
Sealant:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

(c) Using a hexagon (6 mm) wrench, install the shift detent ball plug on the intermediate plate.
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)



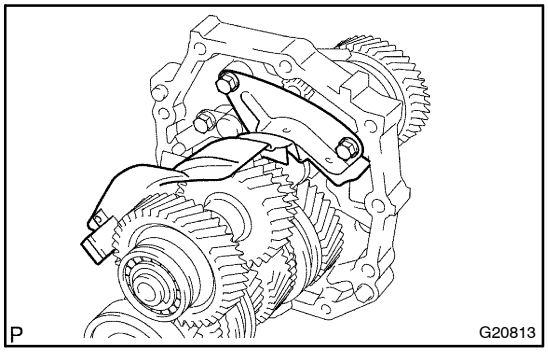
(d) Coat the inter lock hole plug with sealant.
Sealant:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

(e) Using a hexagon (6 mm) wrench, install the inter lock hole plug on the intermediate plate.
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)



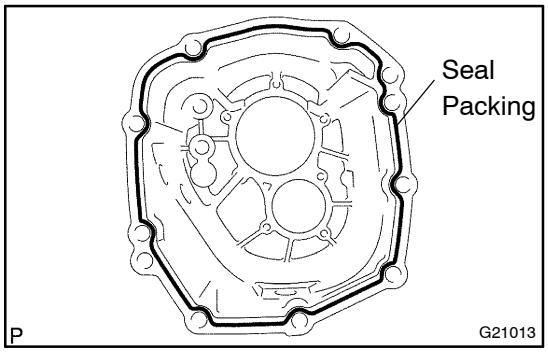
65. INSTALL TRANSMISSION MAGNET

(a) Install the 2 transmission magnets on the intermediate plate.



66. INSTALL TRANSMISSION OIL (MTM) SEPARATOR

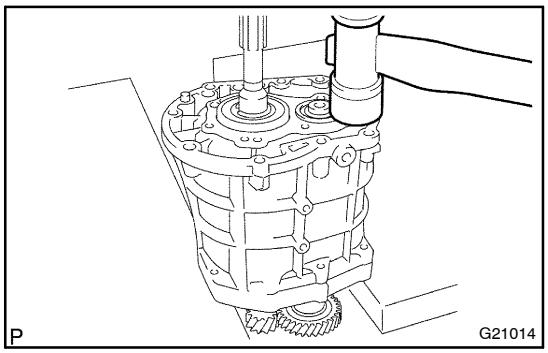
(a) Install 2 bolts and the transmission oil separater on the intermediate plate.
Torque: 19 N·m (189 kgf·cm, 14 ft·lbf)



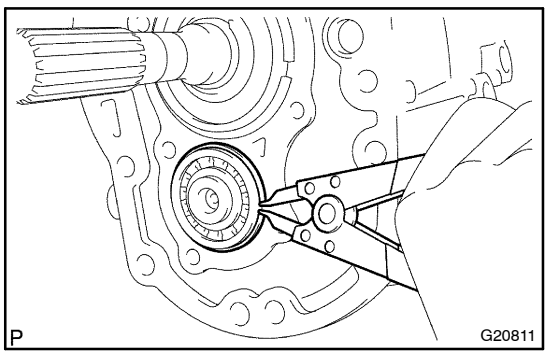
67. INSTALL MANUAL TRANSMISSION CASE

(a) Apply seal packing to the manual transmission case as shown.
Sealant:
Part No.08826–00090, THREE BOND 1281, LOCITITE 242 or equivalent

NOTICE:
Parts must be assembled within 10 minutes of application. Otherwise, the packing (FIPG) material hardens.

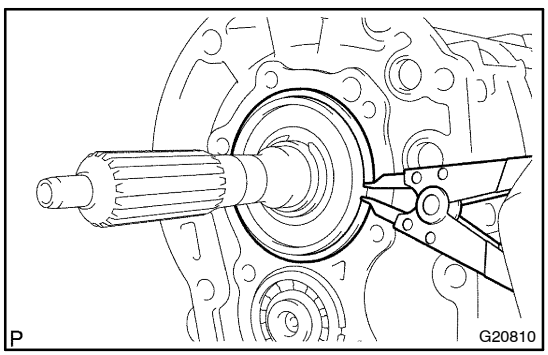


(b) Stand the intermediate plate as shown.
(c) Using a plastic hammer, install the manual transmission case on the intermediate plate as shown.



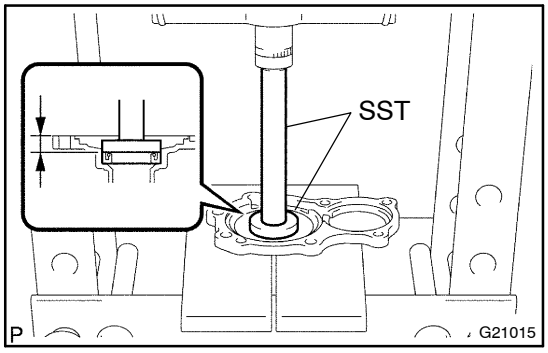
68. INSTALL COUNTER GEAR FRONT BEARING SNAP RING NO.1

(a) Using snap ring pliers, install the counter gear front bearing snap ring No.1 on the counter gear front bearing or roller.



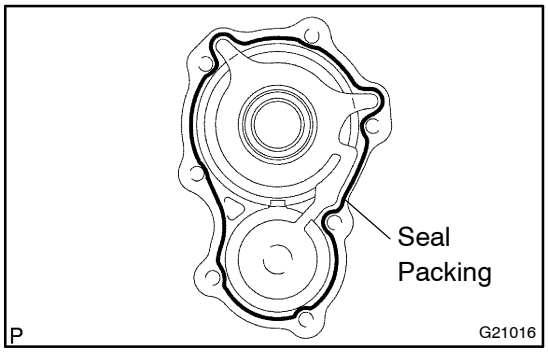
69. INSTALL FRONT BEARING SHAFT SNAP RING

(a) Using snap ring pliers, install the front bearing shaft snap ring on the input shaft bearing.



70. INSTALL TRANSMISSION FRONT BEARING RETAINER OIL SEAL

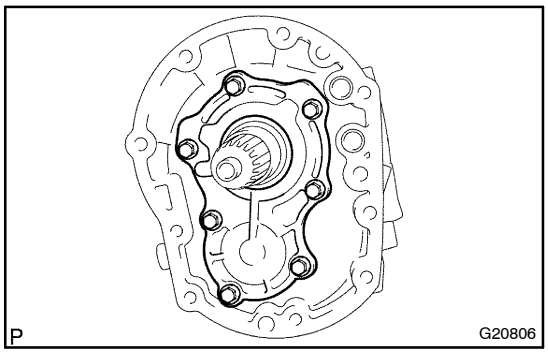
(a) Using SST and a press, press in a new transmission front bearing retainer oil seal to the front bearing retainer.
SST 09950–60010 (09951–00440), 09950–70010 (09951–07150)
Oil seal depth: 12.0 – 12.8 mm (0.472 – 0.504 in.)
Transmission case installation surface



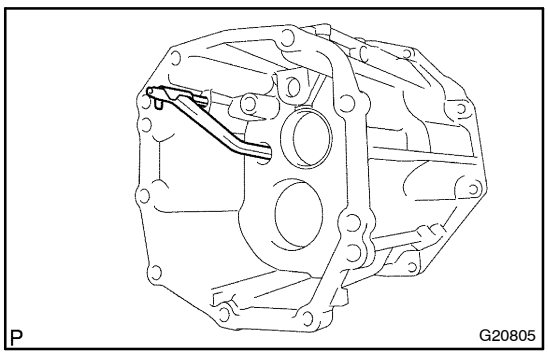
71. INSTALL BEARING RETAINER FRONT (MTM)

(a) Apply seal packing to the bearing retainer front as shown.
(b) Apply sealant to the bolt threads.
Sealant:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

NOTICE:
Parts must be assembled within 10 minutes of application. Otherwise, the packing (FIPG) material hardens.

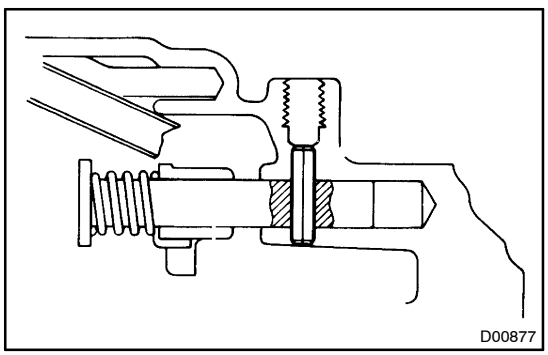


(c) Install the 7 bolts and the bearing retainer front to the manual transmission case.
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)



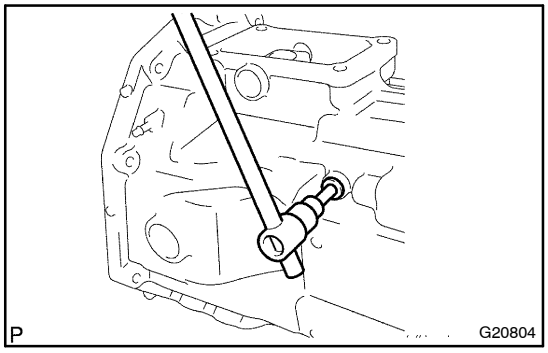
72. INSTALL TRANSFER OIL RECEIVER PIPE

(a) Install the transfer oil receiver pipe to the transfer adapter.



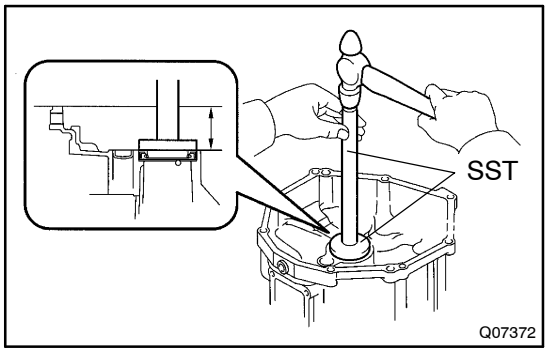
73. INSTALL REVERSE RESTRICT PIN ASSY

(a) Install the reverse restrict pin on the transfer adapter.
(b) Using a pin punch and a hammer, drive in the shift fork set slotted spring pin to the transfer adapter.



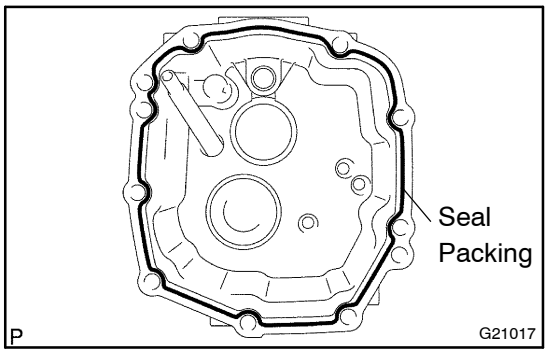
(c) Coat the reverse restrict pin plug with sealant.
Sealant:
Part No.08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

(d) Using hexagon (6 mm) wrench, install the reverse restrict pin plug on the transfer adapter.
Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)



74. INSTALL TRANSFER ADAPTER OIL SEAL

(a) Using SST and a hammer, drive in a new transfer adapter oil seal to the transfer adapter.
SST 09950–60010 (09951–00560), 09950–70010 (09951–07150)
Oil seal depth: 45.0 – 46.0 mm (1.772 – 1.811 in.)

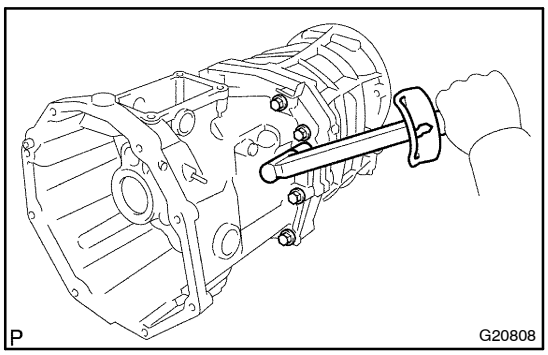


75. INSTALL TRANSFER ADAPTER

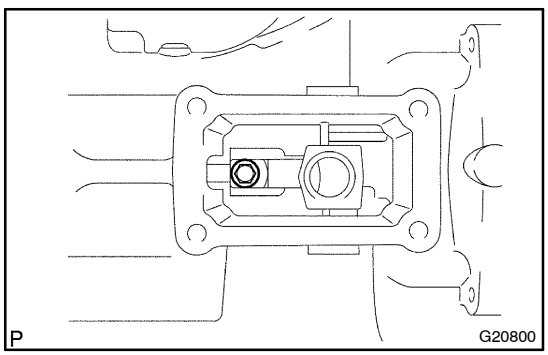
(a) Apply seal packing to the transfer adapter as shown.
Seal Packing:
Part No. 08826–00090, THREE BOND 1281, LOCITITE 242 or equivalent

NOTICE:
Parts must be assembled within 10 minutes of application. Otherwise, the packing (FIPG) material hardens.

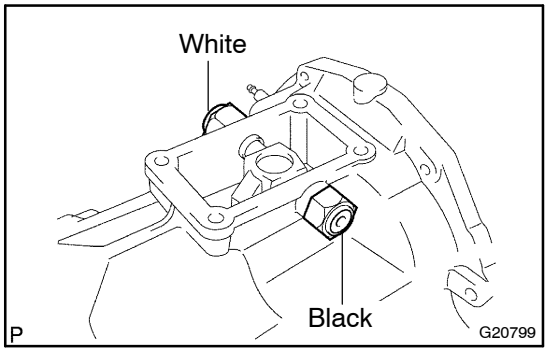
(b) Install the shift & select lever on the transfer adapter.



(c) Install 9 bolts and transfer adapter on the manual transmission case.
Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

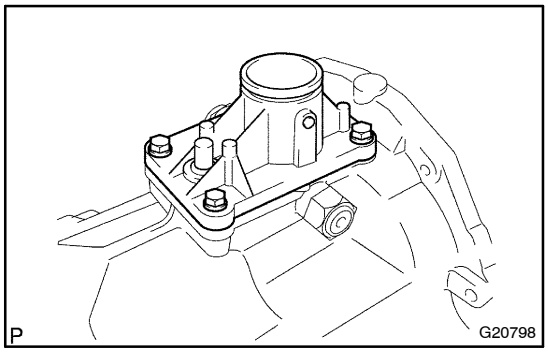


(d) Install the bolt on the shift lever housing.
Torque: 33 N·m (337 kgf·cm, 24 ft·lbf)



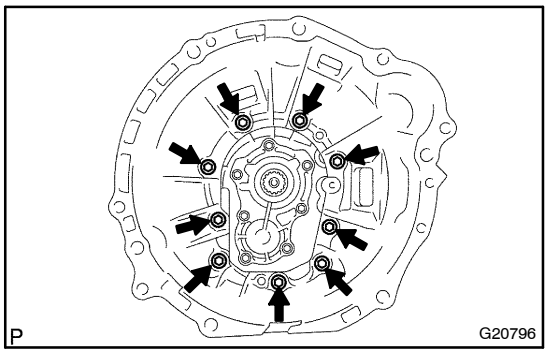
76. INSTALL REVERSE RESTRICT PIN ASSY

(a) Install the 2 reverse restrict pin assys on the transfer adapter.
Torque: 41 N·m (418 kgf·cm, 30 ft·lbf)



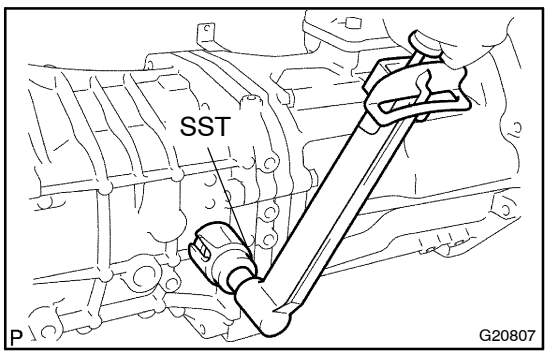
77. INSTALL FLOOR SHIFT CONTROL SHIFT LEVER RETAINER SUB–ASSY

(a) Install the 4 bolts, floor shift control shift lever retaner sub–assy and extension housing oil deflector sub–assy on the transfer adapter.
Torque: 19 N·m (189 kgf·cm, 14 ft·lbf)



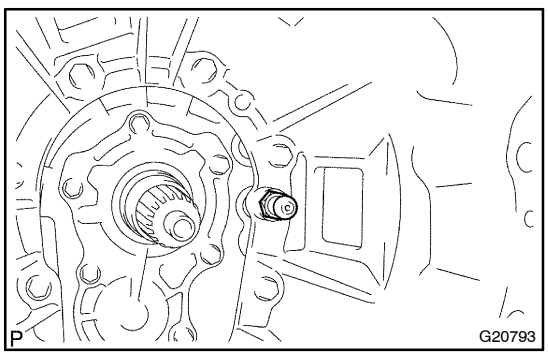
78. INSTALL CLUTCH HOUSING

(a) Install the clutch housing.
(b) Install the 9 bolts on the clutch housing.
Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)



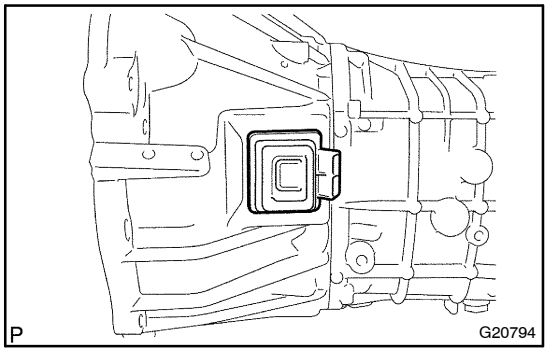
79. INSTALL BACK UP LAMP SWITCH ASSY

(a) Using SST, install the back up lamp switch assy on the manual transmission case and a new gasket.
SST 09817–16011
Torque: 41 N·m (418 kgf·cm, 30 ft·lbf)



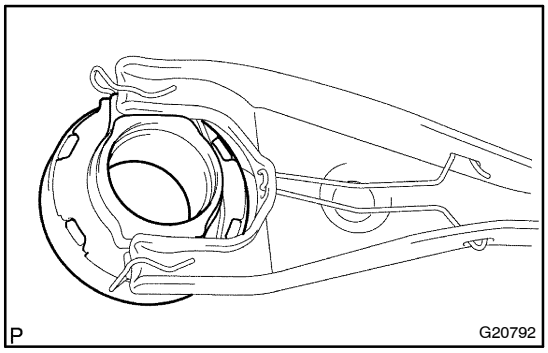
80. INSTALL RELEASE FORK SUPPORT

(a) Install the release fork support on the manual transmission case.
Torque: 39 N·m (398 kgf·cm, 29 ft·lbf)



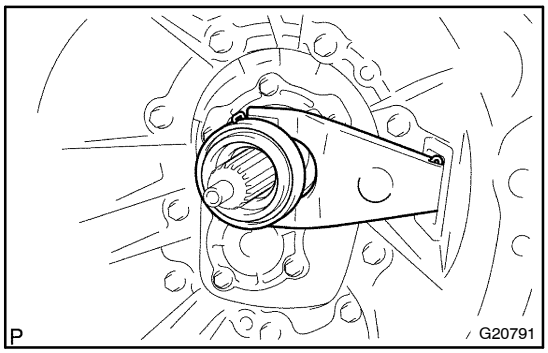
81. INSTALL CLUTCH RELEASE FORK BOOT

(a) Install the clutch release fork boot on the manual transmission case.



82. INSTALL CLUTCH RELEASE BEARING ASSY

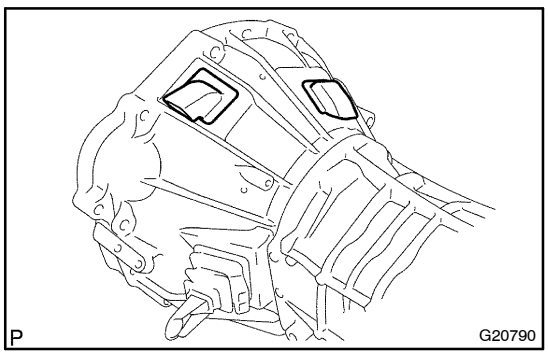
(a) Coat the clutch release bearing assy with release hub grease, install it on the clutch release fork sub–assy.



83. INSTALL CLUTCH RELEASE FORK SUB–ASSY

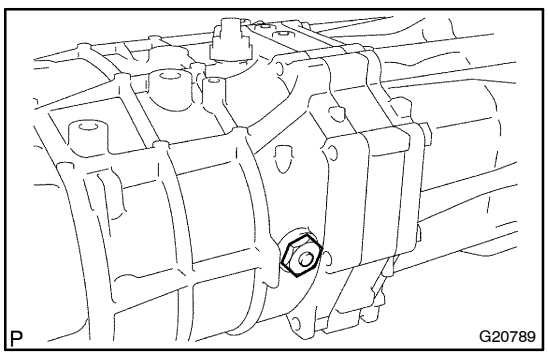
(a) Install the clutch release fork sub–assy on the input shaft.

(b) Apply molybdenum disulphide lithium base grease to the input shaft spline.



84. INSTALL CLUTCH HOUSING COVER NO.1

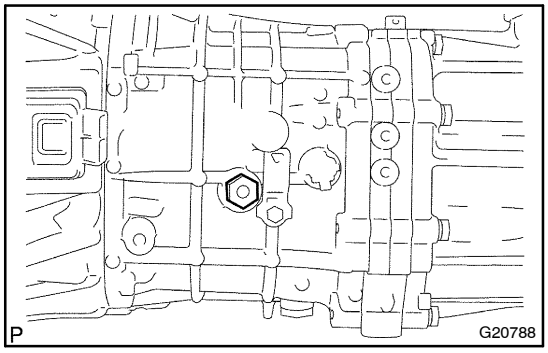
(a) Install the 2 clutch housing cover No.1 on the clutch housing.



85. INSTALL DRAIN (MTM) PLUG SUB–ASSY

(a) Install the drain plug with new drain plug gasket on the manual transmission case.

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)



86. INSTALL MANUAL TRANSMISSION FILLER PLUG

(a) Install the manual transmission filler plug with new manual transmission filler plug gasket on the manual transmission case.

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)